



IN THE SPECIFICATION:

Please amend the paragraph bridging pages 1-2 as follows:

Fuel cell stack 100 is provided in such a type of fuel cell system as shown in FIG. 13A. A plurality units of a single cell cells, into which one membrane is interposed and which generates power, laminated for example in a horizontal direction so that the surface of the electric pole become vertical and they are fastened for example by a bolt to configure a fuel cell stack 100.

Please amend the paragraph on page 2, lines 7-17 of the Specification as follows:

As shown in FIG. 13B 43, the single cell is composed of a polymer electrolyte membrane M, electrode catalyst layers C, and C, gas diffusion layers D and D, separators SA and SH and the like. It is noted that an ~~assemble~~ assembly is sometimes referred to as "membrane electrode assembly", which is composed of one electrode catalyst layer C and one gas diffusion layer D provided on one surface of the polymer electrode membrane M and the other electrode catalyst layer C and the other gas diffusion layer D provided on the other surface of the polymer electrode membrane M. Symbol RS in FIG. 13B is a rubber-made seal material.

Please amend the paragraph bridging pages 2-3 of the Specification as follows:  
Amongst them, the separators SA and SH are each used for tying up cells composed of lamination of a plurality of single cells in order to obtain a desired voltage and are required to have the following functions:

- (1) A function that secures supply passages each for supplying hydrogen and oxygen to a cell within the fuel cell stack 100;
- (2) A function that secures ~~secure~~ a supply passage for supplying a coolant for the fuel cell stack 100;
- (3) A function that collects and takes out current (electrons).

Please amend the paragraph on page 3, lines 15-24 of the Specification as follows:

Objects of the present invention are ~~is~~ to provide a seal-separator conjugation, a seal-membrane electrode assembly conjugation and processes for producing them. Another object of the present invention is to provide a seal-membrane electrode assembly conjugation possessing seals each having properties suitable for application environments. Still another object of the present is to provide a seal-membrane electrode assembly conjugation which are difficult to be slanted, and processes for producing them in a precise manner.

Please amend the paragraph bridging pages 6-7 of the Specification as follows:

Also, the present invention provides ~~provide~~ a seal-membrane electrode assembly conjugation for a fuel cell which is sandwiched by a separator and clamps a membrane electrode assembly, comprising seals on a front surface and a rear surface of the membrane electrode assembly at least at one end of the separator, and a process for producing a seal-membrane electrode assembly conjugation for a fuel cell which is sandwiched by a separator and clamps a membrane electrode assembly,

comprising seals on a front surface and a rear surface of the membrane electrode assembly at least at one end of the separator, which comprises:

a pre-forming stage for pre-forming a rubber material or rubber materials into pre-formed seals;

a sandwiching stage for inserting a membrane electrode assembly between said pre-formed seals; and

a vulcanizing stage for vulcanizing the pre-formed seals into the final seals while maintaining said pre-formed seals and said membrane electrode assembly.

Please amend the paragraph on page 11, lines 4-11 of the Specification as follows:

Materials ~~for~~ suitably used in producing the separators SA and SH include, but are not restricted to, steel plates, stainless steel plates, aluminum plates, plated steel plates, metal plates having been surface treated ~~for~~ for corrosion proofing, and ~~carbon-~~ carbon-containing carbon-containing material comprising a mixture of synthetic graphite or graphite with resins. The thickness of the separators SA and SH is not also restricted. In a specific embodiment, the thickness is from 0.05 to 0.3 mm.

Please amend the paragraph on page 12, lines 2-6 of the Specification as follows:

The rubber material used herein is a composition for forming a sealing material by a vulcanization and may comprise ~~comprises~~ a rubber ingredient, a vulcanizing

agent and a vulcanizing accelerator as main ingredients and an optional additives, which are known in the art.

Please amend the paragraph on page 12, lines 7-17 of the Specification as follows:

Examples of the rubber ingredients (rubber materials) which can be used herein include, but are not restricted to, various synthetic rubbers such as nitrile rubbers, silicone rubbers, fluorinated rubbers, acrylic rubbers, styrene-butadiene rubbers, ethylene-propylene rubbers, tetrafluorinated ethylene rubbers, acrylonitrile-butadiene rubbers, isoprene rubbers, butadiene rubbers, butyl rubbers, ~~chloropyrene~~ chloropyrene rubbers, ethylene-propylene-diene rubber (EPDM) rubbers, urethane rubbers, chlorosulfonated rubbers, chlorinated rubbers, as epichlorohydrin rubbers, natural rubbers (NBR), and blends thereof.

Please amend the paragraph one page 13, lines 9-14 of the Specification as follows:

When it is desired for a seal to have an electrical insulating property, natural rubbers, isoprene rubbers, styrene-butadiene rubbers, butyl rubbers, butadiene rubbers, ethylene-propylene rubbers, hyparon, polysulfide rubbers, silicone rubbers, chlorosulfonated polyethylene rubbers, fluorinated rubbers and the like can suitably be ~~ne~~ selected.

Please amend the paragraph bridging pages 25-26 of the Specification as follows:

As shown in FIG. 9 9A, the seal-separator conjugation 20 of this embodiment has outer circumference seal portions 22a and 22a made of an insulating rubber material and seals 22b and 22b for a communication pore made of an insulating rubber material on both end ends thereof. Each outer circumference seal 22a is an insulating rubber-made seal formed from a communication pore 13 (Fig. 10) 23 to the edge of the separator. Each seal 22b for a communication pore is an insulating rubber-made seal, which coats the inside of the communication pore.